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**Substitute for form 1449A/PTO**

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

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Sheet 1 of 1

***Complete if Known***

Application Number	10/137,898
Filing Date	MAY 2, 2002
First Named Inventor	FRANK P. UCKERT ET AL.
Group Art Unit	1711
Examiner Name	UNKNOWN
Attorney Docket Number	PE0667 US NA

## U.S. PATENT DOCUMENTS

## FOREIGN PATENT DOCUMENTS

**Examiner  
Signature**

**Date Considered**

7506

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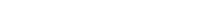
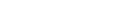
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Substitute for form 1449A/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(use as many sheets as necessary)</i>		Application Number	10/137,898 10 / 809 657
		Filing Date	MAY 2, 2002
		First Named Inventor	FRANK P. UCKERT ET AL.
		Group Art Unit	1711
		Examiner Name	UNKNOWN
Sheet	1	Attorney Docket Number	PE0667 US NA

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**Complete if Known**

Application Number	10/809,657
Filing Date	March 25, 2004
First Named Inventor	Frank P. Uckert et al.
Group Art Unit	1714
Examiner Name	Unknown
Attorney Docket Number	PE0667USDIV3

## U.S. PATENT DOCUMENTS

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INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

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Sheet

2

of

2

## Complete If Known

Application Number	10/809,657
Filing Date	March 25, 2004
First Named Inventor	Frank P. Uckert et al.
Group Art Unit	1714
Examiner Name	Unknown
Attorney Docket Number	PE0687USDIV3

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## OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
lu		DE 19846787, Partially conjugated polymer useful as an organic semiconductor or an electroluminescence material, and for display elements in television monitor and illumination technology contains fluorene building units, Abstract, 08-13-2000, Aventis Res & Technologies GmbH	<input type="checkbox"/>
		JP 2000319272, (Diaryl amino) furan analogues with improved stability, useful pharmaceutical intermediates and electron hole transport or photosensitive materials, Abstract, 04-21-2001, Tosoh Corp	<input type="checkbox"/>
		JP 08157575, Carrier transport polymers – useful as carrier transport materials in organic thin film electroluminescence devices, Abstract, 10-25-1996, Toppan Printing Co. Ltd.	<input type="checkbox"/>
		JP 2000143778, Display element such as cathode ray tube and light emitting diode, comprises specified light emitting compound as color developing materials, Abstract, 10-06-2000, Samsung Denkan KK	<input type="checkbox"/>
		JP 10273522, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 01-13-1999, Nippon Gosei Gomu KK	<input type="checkbox"/>
		JP 10273521, Production of phenylene group-containing copolymers – comprises copolymerizing phenylene group-containing compounds in presence of catalysts containing transition metal compounds, Abstract, 12-23-1999, Nippon Gosei Gomu KK	<input type="checkbox"/>
		JP 03028220, Electrochromic elements for display or optical shield glass – contg. film of polyphenylene polymer derived from fluorene, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
		JP 03017120, Polyphenylene polymers used as conductive material or display material are produced by chemical or electrochemical-oxidative polymerizing of specified fluorene derivs, Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
		JP 02269734, New polyphenylene-type polymer prep. By oxdn. Polymerization of fluorene derive., Abstract, 09-28-1993, Idemitsu Kosan Co. Ltd.	<input type="checkbox"/>
lu		KR 99057430, Fluorene-based alternating statistical copolymer containing multi-luminescence groups and electroluminescence device using the same, Abstract, 07-15-1999, Korea Adv Inst Sci & Technology	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner  
Signature*JP5/CR*Date  
Considered

5/15/06

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

1

of

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Attorney Docket Number PE0667USDIV3

## Complete If Known

Application Number	10/809,657
Filing Date	March 25, 2004
First Named Inventor	Frank P. Uckert Et. Al.
Art Unit	1713
Examiner Name	Unknown

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
luc		COWELL, ALLAN B. ET AL., Fluoroalkylation of Aromatic Compounds, Journal of Fluorine Chemistry, 17, 1981, 345-356, Elsevier Sequoia S.A., Lausanne, The Netherlands	<input type="checkbox"/>
luc		KAMIGATA, NOBUMASA ET AL., Direct Perfluoroalkylation of Aromatic and Heteroaromatic Compounds with Perfluoroalkanesulfonyl Chlorides Catalysed by a Ruthenium (II) Phosphine Complex, J. Chem. Soc. Perkin Trans., 1, 1994, 1339-1346	<input type="checkbox"/>
			<input type="checkbox"/>

Examiner Signature	<i>luc</i>	Date Considered	3/16/06
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Application Number	10/809,657
Filing Date	MARCH 25, 2004
First Named Inventor	FRANK P. UCKERT
Group Art Unit	1714
Examiner Name	UNKNOWN
Attorney Docket Number	PE0667US DIV3

## **U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>0</sub>
		CountryCode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	MM-DD-YYYY			
<i>Lee</i>		WO 01/77203 A2	10-18-2001	Uniax Corporation		<input type="checkbox"/>
		WO 02/066537 A1	08-29-2002	Cambridge Display Techn		<input type="checkbox"/>
		WO 01/81294 A1	11-01-2001	Sony International GmbH		<input type="checkbox"/>
		WO 01/42331 A1	08-14-2001	Cambridge Display Tech & Max Planck Inst for Poly		<input type="checkbox"/>
		WO 00/46321 A1	08-10-2000	The Dow Chemical Co.		<input type="checkbox"/>
		WO 00/22027 A1	04-20-2000	Axiva GmbH		<input type="checkbox"/>
		WO 89/54385 A1	10-28-1989	The Dow Chemical Co.		<input type="checkbox"/>
		WO 00/53656 A1	09-14-2000	Cambridge Display Techn		<input type="checkbox"/>
<i>Lee</i>		WO 00/55927 A1	09-21-2000	Cambridge Display Techn		<input type="checkbox"/>

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Sheet

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Attorney Docket Number

PE0667USDIV3

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Application Number	10/809,657
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First Named Inventor	Frank P. Uckert Et. Al.
Art Unit	1714
Examiner Name	Unknown

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lu		KOREAN PATENT ABSTRACTS, KR 00245841 B1, Fluorene-Based Alternating-Statistical Copolymer Containing Multi-Luminescence Groups and Electroluminescence Device Using The Copolymer, 12-01-1999, Korea Institute of Science and Technology	<input type="checkbox"/>
		KREYENSCHMIDT M. et al., Thermally Stable Blue-Light-Emitting Copolymers of Poly(alkyfluorene), Macromolecules, 1998, 1099-1103, 31, American Chemical Society	<input type="checkbox"/>
lu		LEE, JEONG-IK et al., Light-emitting electrochemical cells based on poly(9,9-bis(3,6-dioxaheptyl)-fluorene-2,7-diyl), Synthetic Metals, 2000, 195-197, 111-112, Elsevier Science S.A.	<input type="checkbox"/>
			<input type="checkbox"/>

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